

## Clinical Pharmacology Fellowship

### ***What is Clinical Pharmacology?***

Clinical Pharmacology is a medical subspecialty concerned with better understanding and use of existing drugs, and developing more effective and safer drugs for the future. Clinical Pharmacology allows one to stand between the research lab and the bedside, in a unique position to translate laboratory research into new drug therapies. Clinical Pharmacologists are a bridge between the science and practice of medicine.

### ***What can you do with this specialization?***

Clinical Pharmacologists are active in several areas, such as:

- Drug Development
- Rational Therapeutics
- Clinical Research
- and more....

## Graduate Medical Education (GME) Training Opportunity: The Army Clinical Pharmacology Fellowship Program

### ***What is the Army Clinical Pharmacology Fellowship Program?***

The Army established a joint Clinical Pharmacology Fellowship Training Program at the Walter Reed Army Institute of Research (WRAIR) and The Uniformed Services University of the Health Sciences (USUHS). This is a two-year fellowship designed to meet the needs of the Army Medical Department (AMEDD) for Clinical Pharmacologists.

### ***Who can apply for the Fellowship?***

The Clinical Pharmacology training program is available to active duty Army physicians who are board eligible/certified in a primary specialty.



## The Curriculum

Formal course work includes:

- Principles of Clinical Pharmacology
- Basic Pharmacology
- Good Clinical Practices (GCP)
- Ethical and Regulatory Aspects of Human Subject Research
- Biostatistics
- Pharmacokinetics/Pharmacodynamics
- Introduction to the Principles and Practice of Clinical Research

Active participation in both clinical and field studies includes:

- Protocol Design & Execution
- Data Analysis
- Report/Manuscript Writing
- Presentation at Scientific Meetings

Additional activities include:

- Conduct laboratory, animal or clinical research under the supervision of a mentor
- Participation in the teaching of Clinical Pharmacology to medical students, house staff and practicing physicians
- Clinical Pharmacology consultations
- Three month rotation with a review division at the FDA
- Regular participation in continuing medical education, research seminars, and journal clubs



## Cooperating Institutions

### ***WRAIR***

WRAIR is the largest research institute in the U.S. Army Medical Research and Materiel Command (USAMRMC). Fellows spend most of their time in the Division of Experimental Therapeutics, a bench-to-bedside drug research company with over 40 doctorate level staff. State-of-the-art tools and equipment are on-site.

Drug development program areas currently active include antiparasitic drugs (malaria, leishmania) and drugs for defense against weapons of mass destruction. To carry out these programs, clinical studies can be done in collaboration with the WRAIR Clinical Trials Department, the U.S. Army Medical Research Institute of Infectious Diseases (USAMRIID), the Armed Forces Research Institute of Medical Sciences (AFRIMS) located in Thailand (website: [www.afirms.org](http://www.afirms.org)), and/or the U.S. Army Medical Research Unit-Kenya (USAMRU-K) (website: [www.usamrukenya.org](http://www.usamrukenya.org)).

### ***USUHS***

USUHS is the military medical school. The Division of Clinical Pharmacology and Medical Toxicology is in the Department of Medicine and teaches medical students, house staff officers, and post-graduate physicians in a variety of programs. In addition, staff provide consultations in Clinical Pharmacology and Medical Toxicology to the medical staff at the Walter Reed Army Medical Center (WRAMC) in Washington, DC and the National Naval Medical Center (NNMC) in Bethesda, MD.

Current research areas include Phase I clinical trials, *in vitro* and *in vivo* drug metabolism, and clinical toxicology. The Division operates an active Phase I clinical research unit conducting studies for the U.S. Army, NIH and private drug industry. Laboratories are fully equipped with drug analytic hardware.

### ***Potential 61E Job Assignments***

- WRAIR
- Overseas Labs: AFRIMS & USAMRU-K
- U.S. Army Medical Materiel Development Activity (USAMMDA)
- USUHS

## Important Information

### **Ways to Apply:**

- Contact your local GME Office.
- Contact one of the Program Directors:  
COL Colin Ohrt or Dr. Louis Cantilena.  
Contact information is listed below.
- Website open for application submission on 17 July.
- Applications are due on 15 September.
- Supporting materials are required by 1 November.

### **Further Information:**

- The Fellowship program begins on 1 July.
- Please check out our Clinical Pharmacology Training Fellowship website for further information:  
<http://wrair-www.army.mil>, then select the Training Program tab on the left hand side of the webpage
- Following completion of the program, Fellows will receive the following benefits:
  - 61E MOS (Clinical Pharmacology sub-specialty)
  - Special pay rates, similar to other medical sub-specialties

## Contact Information

### **Clinical Pharmacology Fellowship Training Program Co-Directors:**

**COL Colin Ohrt**

WRAIR  
202-359-4537  
[colin.ohrt@us.army.mil](mailto:colin.ohrt@us.army.mil)

**Louis Cantilena, MD**

USUHS  
301-295-3239  
[lcantilena@mxu.usuhs.mil](mailto:lcantilena@mxu.usuhs.mil)

## Participating Institutions

### **Uniformed Services University of the Health Sciences (USUHS)**



Location:

4301 Jones Bridge Road  
Bethesda, Maryland 20814  
website: [www.usuhs.mil](http://www.usuhs.mil)

### **Walter Reed Army Institute of Research (WRAIR)**



Location:

503 Robert Grant Avenue  
Silver Spring, Maryland 20910  
website: [www.wrair.army.mil](http://www.wrair.army.mil)

# Clinical Pharmacology Fellowship Program



### **Walter Reed Army Institute of Research:**

Division of Experimental Therapeutics

and



### **Uniformed Services University of the Health Sciences:**

Division of Clinical Pharmacology  
and Medical Toxicology